

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ANDY KASHNIKOW Examiner #: 60484 Date: 3/25/02  
Art Unit: 3200 Phone Number 308-1137 Serial Number: 09932,171  
Mail Box and Bldg/Room Location: CP2-2A01 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

LIT SEARCH FOR U.S. PATENT NO. 5,624,000

## STAFF USE ONLY

Searcher: SolemanSearcher Phone #: 305-5932Searcher Location: CP22C08

Date Searcher Picked Up: \_\_\_\_\_

Date Completed: 3-25-2002

Searcher Prep &amp; Review Time: \_\_\_\_\_

Clerical Prep Time: \_\_\_\_\_

Online Time: 2

## Type of Search

NA Sequence (#) \_\_\_\_\_

AA Sequence (#) \_\_\_\_\_

Structure (#) \_\_\_\_\_

Bibliographic \_\_\_\_\_

Litigation ☒

Fulltext \_\_\_\_\_

Patent Family \_\_\_\_\_

Other \_\_\_\_\_

## Vendors and cost where applicable

STN: \_\_\_\_\_

Dialog \_\_\_\_\_

Questel/Orbit

Dr.Link \_\_\_\_\_

Lexis/Nexis

Sequence Systems \_\_\_\_\_

WWW/Internet \_\_\_\_\_

Other (specify) \_\_\_\_\_

Selected file: PLUSPAT

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US5624000 A 19970429 [US5624000]  
TI - (A) Power tool with modular drive system and method of assembly of modular drive system  
PA - (A) BLACK & DECKER INC (US)  
IN - (A) MILLER PHILIP T (US)  
AP - US63047096 19960410 [1996US-0630470]  
PR - US28074394 19940726 [1994US-0280743]  
US63047096 19960410 [1996US-0630470]  
IC - (A) B23B-045/02  
EC - B25F-005/00B  
B25F-005/02  
PCL - ORIGINAL (O) : 173216000; CROSS-REFERENCE (X) : 173047000  
173104000 173217000  
DT - Basic  
CT - US2350631; US2708246; US2730635; US3774477; US3908139; US4081704; US4089612; US4092946; US4099478; US4575277; US4597453; US4625134; US4828049; US4898249; US5015117; US5033552; US5054563; US5269733; EP189768; EP302244; EP525911; EP570889; FR2542655; DE2511806; DE8910433; GB1143677; GB2030374; GB2246311  
STG - (A) United States patent  
AB - A power tool (20) includes a modular drive system in which the motor (22) and transmission (24) consist of separate self-contained modular units which can be assembled together by simply sliding and rotating the motor housing (42) and the transmission housing (70) relative to each other. The motor (22) has a D-shaped rotary drive shaft (44) which is inserted into a D-shaped aperture (86) in the drive gear (84) of a planetary gear system (80) contained within the transmission housing (70). Guide pins (92) extending from the transmission housing (70) are inserted into guide holes (94) in the motor housing (42) when the D-shaped drive shaft (44) is inserted into the D-shaped aperture (86) in the drive gear (84) to align the housings (42,70) with each other. A bushing (46) at the front of the motor housing (42) is inserted into a central opening (76) at the rear of the transmission housing (70) to couple the housings (42,70) together.

1 / 1 LGST - @LEGSTAT  
PN - US 5624000 [US5624000]  
AP - US 630470/96 19960410 [1996US-0630470]  
DT - US-P  
ACT - 19960410 US/AE-A  
APPLICATION DATA (PATENT)  
US 630470/96 19960410 [1996US-0630470]  
  
19970429 US/A  
PATENT  
UP - 1997-35

Selected file: INPADOC

1 / 4 INPADOC - @INPADOC  
PN - EP 698449 A2 19960228 [EP-698449]  
TI - POWER TOOL WITH MODULAR DRIVE SYSTEM AND METHOD OF ASSEMBLY OF MODULAR DRIVE SYSTEM  
LA - ENG  
IN - MILLER PHILIP T [US]  
PA - BLACK & DECKER INC [US]  
AP - EP 95305171/95-A 19950724 [1995EP-0305171]

PR - US 280743/94-A 19940726 [1994US-0280743]  
IC - B25F-005/00  
DS - CH\* DE\* ES\* FR\* GB\* IT\* LI\* NL\*

1 / 1 LEGALI - @LEGSTAT

PN - EP 698449 [EP-698449]  
AP - EP 95305171/95 19950724 [1995EP-0305171]  
DT - EP-P  
ACTE - 19950724 EP/AE-A  
EP-APPLICATION  
EP 95305171/95 19950724 [1995EP-0305171]

19960228 EP/AK-A2 [+]  
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT:

CH DE ES FR GB IT LI NL

19960228 EP/A2 [+]  
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

19960320 EP/AK-A3 [+]  
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:  
CH DE ES FR GB IT LI NL

19960320 EP/A3 [+]  
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

19961113 EP/17P [+]  
REQUEST FOR EXAMINATION FILED  
960917

UP - 1997-35

2 / 4 INPADOC - @INPADOC

PN - EP 698449 A3 19960320 [EP-698449]  
PA - BLACK & DECKER INC  
AP - EP 95305171/95-A 19950724 [1995EP-0305171]  
PR - US 280743/94-A 19940726 [1994US-0280743]  
IC - B25F-005/00; H02K-007/116  
DS - CH\* DE\* ES\* FR\* GB\* IT\* LI\* NL\*

1 / 1 LEGALI - @LEGSTAT

PN - EP 698449 [EP-698449]  
AP - EP 95305171/95 19950724 [1995EP-0305171]  
DT - EP-P  
ACTE - 19950724 EP/AE-A  
EP-APPLICATION  
EP 95305171/95 19950724 [1995EP-0305171]

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CH DE ES FR GB IT LI NL

19960320 EP/A3 [+]  
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

19961113 EP/17P [+]  
REQUEST FOR EXAMINATION FILED  
960917

UP - 1997-35

3 / 4 INPADOC - @INPADOC

PN - JP 8052669 A2 19960227 [JP08052669]  
TI - POWER TOOL CONTAINING MODULE TYPE DRIVING DEVICE AND METHOD OF  
ASSEMBLING MODULE TYPE DRIVING DEVICE  
IN - FUJITSUPU TEII MIRAA  
PA - BLACK & DECKER INC  
AP - JP 189388/95-A 19950725 [1995JP-0189388]  
PR - US 280743/94-A 19940726 [1994US-0280743]  
IC - B25F-005/02; B26F-001/34

4 / 4 INPADOC - @INPADOC

PN - US 5624000 A 19970429 [US5624000]  
TI - POWER TOOL WITH MODULAR DRIVE SYSTEM AND METHOD OF ASSEMBLY OF  
MODULAR DRIVE SYSTEM  
IN - MILLER PHILIP T [US]  
PA - BLACK & DECKER INC [US]  
AP - US 630470/96-A 19960410 [1996US-0630470]  
PR - US 630470/96-A 19960410 [1996US-0630470]  
US 280743/94-B1 19940726 [1994US-0280743]  
IC - B23B-045/02

1 / 1 LEGALI - @LEGSTAT

PN - US 5624000 [US5624000]  
AP - US 630470/96 19960410 [1996US-0630470]  
DT - US-P  
ACTE - 19960410 US/AE-A  
APPLICATION DATA (PATENT)  
US 630470/96 19960410 [1996US-0630470]

19970429 US/A  
PATENT

UP - 1997-35

1 of 1 DOCUMENT

5,624,000

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Apr. 29, 1997

Power tool with modular drive system and method of  
assembly of modular drive system